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CLAIMS

The claims and their status in the Application are as follows:

CLAIMS

- 1-32. (Previously canceled)
33. (Withdrawn) An injectable composition comprising:
a biocompatible matrix;
radiopaque particles mixed within said biocompatible matrix, said radiopaque particles size between about 120 μ and 2200 μ ; and
a contrast agent.
34. (Withdrawn) The injectable composition of claim 33, wherein said biocompatible matrix and said radiopaque particles form a slurry.
35. (Withdrawn) The injectable composition of claim 33, wherein the mixture of said biocompatible matrix and said radiopaque particles forms a hard tissue implant material.
36. (Withdrawn) The injectable composition of claim 33, wherein said radiopaque particles have a particles size between about 350 μ and 2200 μ .
37. (Withdrawn) The injectable composition of claim 36, further comprising radiopaque particles for contrast having a particles size between about 120 μ and 350 μ .
38. (Withdrawn) The injectable composition of claim 33, wherein said radiopaque particles have a particles size between about 450 μ and 1600 μ .

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39. (Withdrawn) The injectable composition of claim 38, wherein said radiopaque particles have a par icles size between about 570 μ and 1150 μ .

40. (Currently Amended) An injectable composition comprising:

a flowable matrix;

radiopaque tracer particles in said flowable matrix, said radiopaque tracer particles having a size between about 350 μ and about 2200 μ and present in an amount so as to be individually visible during implantation; and

radiopaque contrast particles having a particle size between about 120 μ and less than 350 μ wherein

said contrast particles enhance the visibility of said matrix, and

said radiopaque tracer particles visibly indicate flow of said matrix during implantation.

41. (Previously presented) The injectable composition of claim 40, wherein said radiopaque tracer particles have a size between about 570 μ and 2200 μ .

42. (Previously presented) The injectable composition of claim 40, wherein said radiopaque tracer particles have a size between about 450 μ and 1600 μ .

43. (Previously presented) The injectable composition of claim 40, wherein said radiopaque tracer particles have a size between about 570 μ and 1150 μ .

44. (Previously presented) The injectable composition of claim 40, wherein said radiopaque tracer particles for contrast are between about 120 μ and 350 μ .

45. (Previously Canceled)

46. (Withdrawn) The injectable composition of claim 36, further comprising: radiopaque particles for contrast having a particle size up to about 350 μ .

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47. (Withdrawn) An injectable composition comprising:
a hard tissue implant biocompatible matrix; and
radiopaque particles mixed within said biocompatible matrix, said radiopaque particles
having a particle size of about 120 μ to about 2200 μ .

48. (Withdrawn) The injectable composition of claim 47, wherein said biocompatible matrix
and said radiopaque particles form a slurry.

49. (Withdrawn) The injectable composition of claim 47, wherein said radiopaque particles
have a particle size between about 350 μ and 2200 μ .

50. (Withdrawn) The injectable composition of claim 47, wherein said radiopaque particles
have a particle size between about 450 μ and 1600 μ .

51. (Withdrawn) The injectable composition of claim 50, wherein said radiopaque particles
have a particle size between about 570 μ and 1150 μ .

52. (Withdrawn) The injectable composition of claim 49, further comprising: radiopaque
particles for contrast having a particle size between 120 μ and 350 μ .

53. (Withdrawn) The injectable composition of claim 49, further comprising: radiopaque
particles for contrast having a particle size up to about 350 μ .

54. (Previously presented) The injectable composition of claim 40, wherein the matrix is
selected from the group consisting of polymethyl methacrylate, hydroxyapatite, various
formulations of biocompatible calcium phosphates, biocompatible calcium sulfates,
demineralized and/or mineralized bone particles, polymer based implants including polyglycolic
acid and/or polylactic acid compounds, collagen and/or collagen derivative preparations alone or
in combination with other biomaterials, chitin and/or chitosan preparations, bioglasses including
oxides of silicon, sodium, calcium and phosphorous and combinations thereof, and other known

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materials which are acceptable for use as hard tissue implant materials including osteogenic and osteoinductive compositions, and combinations thereof.

55. (Previously presented) The injectable composition of claim 40, wherein the radiopaque tracer particles is selected from the group consisting of barium sulfate, tungsten, tantalum, zirconium, platinum, gold, silver, stainless steel, titanium, alloys thereof, combinations thereof, and equivalent materials used as radiographic agents in hard tissue implant materials that can be formed as particles.

56. (Previously presented) The injectable composition of claim 40, wherein the radiopaque contrast particles is selected from the group consisting of barium sulfate, bismuth subcarbonate, bismuth sulfate, powdered tungsten, powdered tantalum, zirconium, combinations thereof, and equivalent materials for use as radiographic agents in hard tissue implant materials that can be formed as particles.

57. (Cancelled)

58. (Previously presented) The injectable composition of claim 40, wherein the matrix and radiopaque tracer particles comprise a slurry.

59. (Previously presented) The injectable composition of claim 58, wherein the slurry comprises an injectable composition for hard tissue implantation.

60. (Currently Amended) The injectable composition of claim 40, wherein the radiopaque tracer particles comprises ~~from~~ about 1% ~~to~~ ~~about~~ 10% of the total weight of the composition.

61. (Previously presented) The injectable composition of claim 60, wherein the radiopaque tracer particles comprises a mixture of barium sulphate and tungsten particles.

62. (Currently Amended) An injectable composition comprising:

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a flowable matrix; and
radiopaque tracer particles,

wherein the size of the radiopaque tracer particles is substantially between about 350 μ and 2200 μ and wherein the amount of radiopaque tracer particles present is sufficient to be individually visible during implantation to visually visible indicate flow of the implant material matrix during implantation.

63. (Currently Amended) The injectable composition of claim 62, comprising radiopaque contrast particles having a particle size less than between about 120 μ and 350 μ wherein the contrast particles enhance the visibility of said matrix.

64. (Previously Presented) The injectable composition of claim 62, wherein the flowable matrix is selected from the group consisting of polymethyl methacrylate, hydroxyapatite, various formulations of biocompatible calcium phosphates, biocompatible calcium sulfates, demineralized and/or mineralized bone particles, polymer based implants including polyglycolic acid and/or polylactic acid compounds, collagen and/or collagen derivative preparations alone or in combination with other biomaterials, chitin and/or chitosan preparations, bioglasses including oxides of silicon, sodium, calcium and phosphorous and combinations thereof, and other known materials which are acceptable for use as hard tissue implant materials including osteogenic and osteoinductive compositions, and combinations thereof.

65. (Previously presented) The injectable composition of claim 62, wherein the radiopaque tracer particles is selected from the group consisting of barium sulfate, tungsten, tantalum, zirconium, platinum, gold, silver, stainless steel, titanium, alloys thereof, combinations thereof, and equivalent materials used as radiographic agents in hard tissue implant materials that can be formed as particles.

66. (Previously presented) The injectable composition of claim 63, wherein the radiopaque contrast particles contrast particles is selected from the group consisting of barium sulfate, bismuth subcarbonate, bismuth sulfate, powdered tungsten, powdered tantalum, zirconium,

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combinations thereof, and equivalent materials for use as radiographic agents in hard tissue implant materials that can be formed as particles.

67. (Currently Amended) The injectable composition of claim 62, wherein the amount of radiopaque tracer particles comprises ~~from about 1% to about 10%~~ of the total weight of the composition.

68. (Previously presented) The injectable composition of claim 62, wherein the radiopaque tracer particles are sized between about 570 μ and 2200 μ .

69. (Previously presented) The injectable composition of claim 62, wherein the radiopaque tracer particles are sized between about 450 μ and 1600 μ .

70. (Previously presented) The injectable composition of claim 40, wherein the radiopaque tracer particles are sized between about 570 μ and 1150 μ .

71. (Cancelled)

72. (New) The injectable composition of claim 62, wherein the amount of radiopaque tracer particles comprises about 10% of the total weight of the composition.

73. (New) The injectable composition of Claim 62 wherein the implant material comprises polymethyl methacrylate and the radiopaque tracer particles comprise barium sulfate.